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WPI Acc No: 90-188238/199025

XRAM Acc No: C90-081494

XRPX Acc No: N90-146414

Fire-extinguishing - comprises using surfactant foam agent or hydrous membrane foam agent and highly water absorbable resin slurry added before or after foaming

Patent Assignee: MORITA PUMP KK (MORI-N)

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Week	
JP 2121682	A	19900509	199025	B
JP 2824514	B2	19981111	199850	

Local Applications (No Type Date): JP 88276521 A 19881031; JP 88276521 A 19881031

Priority Applications (No Type Date): JP 88276521 A 19881031

Abstract (Basic): JP 2121682 A

In fire-extinguishing method using synthetic surfactant foam agent

Compsn. for absorbing flammable liq. - comprises gel-forming polymer absorbent solid and dry chemical fire extinguishing agent

Patent Assignee: KAYLOR J B (KAYL-I); KAYLOR J G (KAYL-I)

Inventor: KAYLOR J B

Number of Countries: 018 Number of Patents: 003

Patent Family:

a

Patent No	Kind	Date	Week	
US 5062996	A	19911105	199147	B
WO 9118959	A	19911212	199201	
AU 9180618	A	19911231	199215	

Local Applications (No Type Date): US 90533786 A 19900606

Priority Applications (No Type Date): US 90533786 A 19900606; US 90511729 A 19900420

Abstract (Basic): US 5062996 A

A compsn. for absorbing a flammable liq. comprises a polymer, a dry chemical fire extinguishing agent (I) and an absorbent solid. The polymer is soluble in the flammable liq. and has high enough m.wt. to gel the liq., forming a visco-elastic gel. The ratio of polymer to absorbent solid is such that when the absorbent solid is loaded to capacity with flammable liq., the particles of absorbent solid are bonded together.

The polymer is pref. rubber of m.wt. at least 2000000 and forms less than 10 wt.% of the compsn. (I) is an alkali metal bicarbonate, KCl, an ammonium phosphate, or an addn. prod. of urea with K₂CO₃ and is used at 25-50 wt.%.

USE/ADVANTAGE - The compsn. is used to treat spills of flammable liq., e.g. fuel, oil, hydraulic fluid or solvents. The compsn. of absorbent solid particles bonded by gel is strong enough to allow mechanical removal of the spill. (7pp Dwg.No.0/0)

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